

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1 1. (currently amended) A remote copy system, comprising:
2 a first storage system including a first storage controller and a first data volume,
3 the first storage controller being configured to receive a write request from a first host associated
4 with the first storage system and to store write data associated with the write request ~~control data~~
5 ~~access requests to the first data volume, the first storage system being configured to store write~~
6 ~~data in the first data volume upon receiving a write request from a first host associated with the~~
7 ~~first storage system and generate a journal including control data and journal data;~~
8 a second storage system including a second storage controller and a second data
9 volume, the second storage ~~controller system being configured to receive and store data~~
10 ~~corresponding to receiving first data containing the write data to mirror the first data volume in~~
11 to the second data volume; and
12 a third storage system including a third storage controller and a third data volume,
13 the third storage ~~controller system being configured to receive and store data corresponding to~~
14 ~~the write data to receiving second data containing a journal to mirror the first data volume in the~~
15 third data volume, wherein the journal comprises the write data and a sequence number
16 indicating write ordering to the first data volume;
17 wherein the write request from the first host to the first storage system completes
18 after the ~~write first data are copied to~~ is received by the second storage system;
19 wherein the write request from the first host to the first storage system completes
20 independently of the second data being received by the third storage system;
21 wherein write data to be stored on the third data volume is generated according to
22 the write order provided by the sequence number of the journal that is contained in the second
23 data.

24 ~~wherein the journal data of the journal are received to the third data volume~~
25 ~~independently from completion of the write request according to information provided in the~~
26 ~~control data.~~

2. (canceled)

1 3. (original) The remote copy system of claim 1, wherein the second storage
2 system is located relatively close to the first storage system and the third storage system is
3 located relatively far from the first storage system.

1 4. (original) The remote copy system of claim 3, wherein the second storage
2 system is located within 100 miles of the first storage system and the third storage system is
3 located more than 100 miles from the first storage system.

5-6. (canceled)

1 7. (previously presented) The remote copy system of claim 1, further
2 comprising:
3 a second host coupled to the second storage system, wherein the second storage
4 system is configured to function as a primary storage system if the first storage system
5 experiences failure.

8-11. (canceled)

1 12. (previously presented) The remote copy system of claim 1, further
2 comprising a third host coupled to the third storage system, wherein the third storage system is
3 configured to replace the first storage system as a primary storage system if the first storage
4 system experiences failure.

13-23. (canceled)

1 24. (currently amended) The remote copy system of claim 1, wherein the
2 ~~control data journal further~~ includes a time when the write data are stored in the first data volume
3 based on the write request from the first host.

1 25. (currently amended) The remote copy system of claim 1, wherein the
2 ~~journal data of the journal are~~ is received to at the third data volume after the write data are
3 copied to the second storage system to secure the write data when the first storage system
4 experiences failure.

1 26. (currently amended) A remote copy system, comprising:
2 a first storage system including a first storage controller and a first data volume,
3 the first storage controller being configured to receive a write request from a first host associated
4 with the first storage system and to store write data associated with the write request control data
5 ~~access requests to the first data volume, the first storage system being configured to store write~~
6 ~~data in the first data volume upon receiving a write request from a first host associated with the~~
7 ~~first storage system and generate a journal including control data and journal data;~~
8 a second storage system including a second storage controller and a second data
9 volume, the second storage controller system being configured to synchronously receive and
10 store data corresponding to first data containing the write data to mirror the first data volume in
11 the second data volume; and
12 a third storage system including a third storage controller and a third data volume,
13 the third storage controller system being configured to asynchronously receive second data
14 containing a journal to mirror the first data volume in the third data volume, wherein the journal
15 comprises the write data and a sequence number indicating write ordering to the first data
16 volume, wherein write data to be stored on the third data volume is generated according to the
17 write order provided by the sequence number and store data corresponding to the journal data of
18 the journal in the third data volume according to information provided in the control data.